



Linux Ubuntu 26.04 Manual Pages on command 'significandf.3'

\$ man significandf.3

significand(3)

Library Functions Manual

significand(3)

NAME

significand, significandf, significandl - get mantissa of floating-point number

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>
```

```
double significand(double x);
```

```
float significandf(float x);
```

```
long double significandl(long double x);
```

Feature Test Macro Requirements for glibc (see `feature_test_macros(7)`):

significand(), significandf(), significandl():

```
/* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the mantissa of x scaled to the range $[1, \text{FLT_RADIX})$. They are equivalent to

```
scalb(x, (double) -ilogb(x))
```

This function exists mainly for use in certain standardized tests for IEEE 754 conformance.

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

Page 1/2

? Interface

? Attribute ? Value ?

[illegible]

? significand(), significandf(), significandl()	? Thread safety ? MT-Safe ?
---	-----------------------------

[illegible]

STANDARDS

None.

significand()

BSD.

HISTORY

significand()

BSD.

SEE ALSO

ilogb(3), scalb(3)

Linux man-pages 6.17

2026-02-08

significand(3)